Clean

09/548,409

1644

RUSH

RAW SEQUENCE LISTING DATE: 07/20/2000
PATENT APPLICATION: US/09/548,409 TIME: 11:13:08

Input Set : A:\Seqlist.txt
Output Set: N:\CRF3\07202000\I548409.raw

ENTERED

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     4 <110> APPLICANT: Steward, Lance E.
     5       Aoki, K. Roger
     6       Sachs, George
     8 <120> TITLE OF INVENTION: Compositions ,and Methods for the
     9       Treatment of Pancreatitis
    11 <130> FILE REFERENCE: 17282 CIP
C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/548,409
C--> 13 <141> CURRENT FILING DATE: 2000-04-13
    13 <150> PRIOR APPLICATION NUMBER: 09/288,326
    14 <151> PRIOR FILING DATE: 1999-04-08
    16 <160> NUMBER OF SEQ ID NOS: 11
    18 <170> SOFTWARE: FastSEQ for Windows Version 3.0
    20 <210> SEQ ID NO: 1
    21 <211> LENGTH: 129
    22 <212> TYPE: PRT
    23 <213> ORGANISM: Homo sapiens
    25 <400> SEQUENCE: 1
    26  Ser Glu Gln Glu Asn Cys Glu Leu Ile Ser Thr Ile Asn Gly Met Asn
    27   1               5                  10                  15
    28  Ser Gly Val Cys Leu Cys Val Leu Met Ala Val Leu Ala Ala Gly Ala
    29              20                  25                  30
    30  Leu Thr Gln Pro Val Pro Pro Ala Asp Pro Ala Gly Ser Gly Leu Gln
    31          35                  40                  45
    32  Arg Ala Glu Glu Ala Pro Arg Arg Gln Leu Arg Val Ser Gln Arg Thr
    33      50                  55                  60
    34  Asp Gly Glu Ser Arg Ala His Leu Gly Ala Leu Leu Ala Arg Tyr Ile
    35  65                  70                  75                  80
    36  Gln Gln Ala Arg Lys Ala Pro Ser Gly Arg Met Ser Ile Val Lys Asn
    37                  85                  90                  95
    38  Leu Gln Asn Leu Asp Pro Ser His Arg Ile Ser Asp Arg Asp Tyr Met
    39              100                 105                 110
    40  Gly Trp Met Asp Phe Gly Arg Arg Ser Ala Glu Glu Tyr Glu Tyr Pro
    41          115                 120                 125
    42  Ser
    45 <210> SEQ ID NO: 2
    46 <211> LENGTH: 58
    47 <212> TYPE: PRT
    48 <213> ORGANISM: Homo sapiens
    50 <400> SEQUENCE: 2
    51  Val Ser Gln Arg Thr Asp Gly Glu Ser Arg Ala His Leu Gly Ala Leu
    52   1               5                  10                  15
    53  Leu Ala Arg Tyr Ile Gln Gln Ala Arg Lys Ala Pro Ser Gly Arg Met
    54              20                  25                  30
    55  Ser Ile Val Lys Asn Leu Gln Asn Leu Asp Pro Ser His Arg Ile Ser
    56          35                  40                  45
    57  Asp Arg Asp Tyr Met Gly Trp Met Asp Phe
    58      50                  55
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Input Set : A:\Seqlist.txt
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<210> SEQ ID NO: 3
<211> LENGTH: 39
<212> TYPE: PRT
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 3
Tyr Ile Gln Gln Ala Arg Lys Ala Pro Ser Gly Arg Met Ser Ile Val
1 5 10 15
Lys Asn Leu Gln Asn Leu Asp Pro Ser His Arg Ile Ser Asp Arg Asp
20 25 30
Tyr Met Gly Trp Met Asp Phe
35
<210> SEQ ID NO: 4
<211> LENGTH: 33
<212> TYPE: PRT
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 4
Lys Ala Pro Ser Gly Arg Met Ser Ile Val Lys Asn Leu Gln Asn Leu
1 5 10 15
Asp Pro Ser His Arg Ile Ser Asp Arg Asp Tyr Met Gly Trp Met Asp
20 25 30
Phe
<210> SEQ ID NO: 5
<211> LENGTH: 12
<212> TYPE: PRT
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 5
Ile Ser Asp Arg Asp Tyr Met Gly Trp Met Asp Phe
1 5 10
<210> SEQ ID NO: 6
<211> LENGTH: 9
<212> TYPE: PRT
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 6
Arg Asp Tyr Met Gly Trp Met Asp Phe
1 5
<210> SEQ ID NO: 7
<211> LENGTH: 448
<212> TYPE: PRT
<213> ORGANISM: Clostridium botulinum
<400> SEQUENCE: 7
Met Pro Phe Val Asn Lys Gln Phe Asn Tyr Lys Asp Pro Val Asn Gly
1 5 10 15
Val Asp Ile Ala Tyr Ile Lys Ile Pro Asn Ala Gly Gln Met Gln Pro
20 25 30
Val Lys Ala Phe Lys Ile His Asn Lys Ile Trp Val Ile Pro Glu Arg
35 40 45
Asp Thr Phe Thr Asn Pro Glu Glu Gly Asp Leu Asn Pro Pro Pro Glu
50 55 60
Ala Lys Gln Val Pro Val Ser Tyr Tyr Asp Ser Thr Tyr Leu Ser Thr

RAW SEQUENCE LISTING DATE: 07/20/2000
PATENT APPLICATION: US/09/548,409 TIME: 11:13:08

Input Set : A:\Seqlist.txt
Output Set: N:\CRF3\07202000\I548409.raw

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119  65                  70                  75                  80
120  Asp Asn Glu Lys Asp Asn Tyr Leu Lys Gly Val Thr Lys Leu Phe Glu
121                  85                  90                  95
122  Arg Ile Tyr Ser Thr Asp Leu Gly Arg Met Leu Leu Thr Ser Ile Val
123              100                 105                 110
124  Arg Gly Ile Pro Phe Trp Gly Gly Ser Thr Ile Asp Thr Glu Leu Lys
125          115                 120                 125
126  Val Ile Asp Thr Asn Cys Ile Asn Val Ile Gln Pro Asp Gly Ser Tyr
127      130                 135                 140
128  Arg Ser Glu Glu Leu Asn Leu Val Ile Ile Gly Pro Ser Ala Asp Ile
129  145                 150                 155                 160
130  Ile Gln Phe Glu Cys Lys Ser Phe Gly His Glu Val Leu Asn Leu Thr
131                  165                 170                 175
132  Arg Asn Gly Tyr Gly Ser Thr Gln Tyr Ile Arg Phe Ser Pro Asp Phe
133              180                 185                 190
134  Thr Phe Gly Phe Glu Glu Ser Leu Glu Val Asp Thr Asn Pro Leu Leu
135          195                 200                 205
136  Gly Ala Gly Lys Phe Ala Thr Asp Pro Ala Val Thr Leu Ala His Glu
137      210                 215                 220
138  Leu Ile His Ala Gly His Arg Leu Tyr Gly Ile Ala Ile Asn Pro Asn
139  225                 230                 235                 240
140  Arg Val Phe Lys Val Asn Thr Asn Ala Tyr Tyr Glu Met Ser Gly Leu
141                  245                 250                 255
142  Glu Val Ser Phe Glu Glu Leu Arg Thr Phe Gly Gly His Asp Ala Lys
143              260                 265                 270
144  Phe Ile Asp Ser Leu Gln Glu Asn Glu Phe Arg Leu Tyr Tyr Tyr Asn
145          275                 280                 285
146  Lys Phe Lys Asp Ile Ala Ser Thr Leu Asn Lys Ala Lys Ser Ile Val
147      290                 295                 300
148  Gly Thr Thr Ala Ser Leu Gln Tyr Met Lys Asn Val Phe Lys Glu Lys
149  305                 310                 315                 320
150  Tyr Leu Leu Ser Glu Asp Thr Ser Gly Lys Phe Ser Val Asp Lys Leu
151                  325                 330                 335
152  Lys Phe Asp Lys Leu Tyr Lys Met Leu Thr Glu Ile Tyr Thr Glu Asp
153              340                 345                 350
154  Asn Phe Val Lys Phe Phe Lys Val Leu Asn Arg Lys Thr Tyr Leu Asn
155          355                 360                 365
156  Phe Asp Lys Ala Val Phe Lys Ile Asn Ile Val Pro Lys Val Asn Tyr
157      370                 375                 380
158  Thr Ile Tyr Asp Gly Phe Asn Leu Arg Asn Thr Asn Leu Ala Ala Asn
159  385                 390                 395                 400
160  Phe Asn Gly Gln Asn Thr Glu Ile Asn Asn Met Asn Phe Thr Lys Leu
161                  405                 410                 415
162  Lys Asn Phe Thr Gly Leu Phe Glu Phe Tyr Lys Leu Leu Cys Val Arg
163              420                 425                 430
164  Gly Ile Ile Thr Ser Lys Thr Lys Ser Leu Asp Lys Gly Tyr Asn Lys
165          435                 440                 445
167 <210> SEQ ID NO: 8
168 <211> LENGTH: 423
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Input Set : A:\Seqlist.txt
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<212> TYPE: PRT
<213> ORGANISM: Clostridium botulinum
<400> SEQUENCE: 8

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Ala Leu Asn Asp Leu Cys Ile Lys Val Asn Asn Trp Asp Leu Phe Phe
 1               5                  10                  15
Ser Pro Ser Glu Asp Asn Phe Thr Asn Asp Leu Asn Lys Gly Glu Glu
            20                  25                  30
Ile Thr Ser Asp Thr Asn Ile Glu Ala Ala Glu Glu Asn Ile Ser Leu
        35                  40                  45
Asp Leu Ile Gln Gln Tyr Tyr Leu Thr Phe Asn Phe Asp Asn Glu Pro
    50                  55                  60
Glu Asn Ile Ser Ile Glu Asn Leu Ser Ser Asp Ile Ile Gly Gln Leu
65                  70                  75                  80
Glu Leu Met Pro Asn Ile Glu Arg Phe Pro Asn Gly Lys Lys Tyr Glu
                85                  90                  95
Leu Asp Lys Tyr Thr Met Phe His Tyr Leu Arg Ala Gln Glu Phe Glu
            100                 105                 110
His Gly Lys Ser Arg Ile Ala Leu Thr Asn Ser Val Asn Glu Ala Leu
        115                 120                 125
Leu Asn Pro Ser Arg Val Tyr Thr Phe Phe Ser Ser Asp Tyr Val Lys
    130                 135                 140
Lys Val Asn Lys Ala Thr Glu Ala Ala Met Phe Leu Gly Trp Val Glu
145                 150                 155                 160
Gln Leu Val Tyr Asp Phe Thr Asp Glu Thr Ser Glu Val Ser Thr Thr
                165                 170                 175
Asp Lys Ile Ala Asp Ile Thr Ile Ile Ile Pro Tyr Ile Gly Pro Ala
            180                 185                 190
Leu Asn Ile Gly Asn Met Leu Tyr Lys Asp Asp Phe Val Gly Ala Leu
        195                 200                 205
Ile Phe Ser Gly Ala Val Ile Leu Leu Glu Phe Ile Pro Glu Ile Ala
    210                 215                 220
Ile Pro Val Leu Gly Thr Phe Ala Leu Val Ser Tyr Ile Ala Asn Lys
225                 230                 235                 240
Val Leu Thr Val Gln Thr Ile Asp Asn Ala Leu Ser Lys Arg Asn Glu
                245                 250                 255
Lys Trp Asp Glu Val Tyr Lys Tyr Ile Val Thr Asn Trp Leu Ala Lys
            260                 265                 270
Val Asn Thr Gln Ile Asp Leu Ile Arg Lys Lys Met Lys Glu Ala Leu
        275                 280                 285
Glu Asn Gln Ala Glu Ala Thr Lys Ala Ile Ile Asn Tyr Gln Tyr Asn
    290                 295                 300
Gln Tyr Thr Glu Glu Glu Lys Asn Asn Ile Asn Phe Asn Ile Asp Asp
305                 310                 315                 320
Leu Ser Ser Lys Leu Asn Glu Ser Ile Asn Lys Ala Met Ile Asn Ile
                325                 330                 335
Asn Lys Phe Leu Asn Gln Cys Ser Val Ser Tyr Leu Met Asn Ser Met
            340                 345                 350
Ile Pro Tyr Gly Val Lys Arg Leu Glu Asp Phe Asp Ala Ser Leu Lys
        355                 360                 365
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PATENT APPLICATION: US/09/548,409 TIME: 11:13:08

Input Set : A:\Seqlist.txt
Output Set: N:\CRF3\07202000\I548409.raw

```
219  Asp Ala Leu Leu Lys Tyr Ile Tyr Asp Asn Arg Gly Thr Leu Ile Gly
220      370                 375                 380
221  Gln Val Asp Arg Leu Lys Asp Lys Val Asn Asn Thr Leu Ser Thr Asp
222  385                 390                 395                 400
223  Ile Pro Phe Gln Leu Ser Lys Tyr Val Asp Asn Gln Arg Leu Leu Ser
224                  405                 410                 415
225  Thr Phe Thr Glu Tyr Ile Lys
226              420
228 <210> SEQ ID NO: 9
229 <211> LENGTH: 382
230 <212> TYPE: PRT
231 <213> ORGANISM: Clostridium botulinum
233 <400> SEQUENCE: 9
234  Gln Leu Phe Asn Leu Glu Ser Ser Lys Ile Glu Val Ile Leu Lys Asn
235   1               5                  10                  15
236  Ala Ile Val Tyr Asn Ser Met Tyr Glu Asn Phe Ser Thr Ser Phe Trp
237              20                  25                  30
238  Ile Arg Ile Pro Lys Tyr Phe Asn Ser Ile Ser Leu Asn Asn Glu Tyr
239          35                  40                  45
240  Thr Ile Ile Asn Cys Met Glu Asn Asn Ser Gly Trp Lys Val Ser Leu
241      50                  55                  60
242  Asn Tyr Gly Glu Ile Ile Trp Thr Leu Gln Asp Thr Gln Glu Ile Lys
243  65                  70                  75                  80
244  Gln Arg Val Val Phe Lys Tyr Ser Gln Met Ile Asn Ile Ser Asp Tyr
245                  85                  90                  95
246  Ile Asn Arg Trp Ile Phe Val Thr Ile Thr Asn Asn Arg Leu Asn Asn
247              100                 105                 110
248  Ser Lys Ile Tyr Ile Asn Gly Arg Leu Ile Asp Gln Lys Pro Ile Ser
249          115                 120                 125
250  Asn Leu Gly Asn Ile His Ala Ser Asn Asn Ile Met Phe Lys Leu Asp
251      130                 135                 140
252  Gly Cys Arg Asp Thr His Arg Tyr Ile Trp Ile Lys Tyr Phe Asn Leu
253  145                 150                 155                 160
254  Phe Asp Lys Glu Leu Asn Glu Lys Glu Ile Lys Asp Leu Tyr Asp Asn
255                  165                 170                 175
256  Gln Ser Asn Ser Gly Ile Leu Lys Asp Phe Trp Gly Asp Tyr Leu Gln
257              180                 185                 190
258  Tyr Asp Lys Pro Tyr Tyr Met Leu Asn Leu Tyr Asp Pro Asn Lys Tyr
259          195                 200                 205
260  Val Asp Val Asn Asn Val Gly Ile Arg Gly Tyr Met Tyr Leu Lys Gly
261      210                 215                 220
262  Pro Arg Gly Ser Val Met Thr Thr Asn Ile Tyr Leu Asn Ser Ser Leu
263  225                 230                 235                 240
264  Tyr Arg Gly Thr Lys Phe Ile Ile Lys Lys Tyr Ala Ser Gly Asn Lys
265                  245                 250                 255
266  Asp Asn Ile Val Arg Asn Asn Asp Arg Val Tyr Ile Asn Val Val Val
267              260                 265                 270
268  Lys Asn Lys Glu Tyr Arg Leu Ala Thr Asn Ala Ser Gln Ala Gly Val
269          275                 280                 285
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VERIFICATION SUMMARY DATE: 07/20/2000
PATENT APPLICATION: US/09/548,409 TIME: 11:13:09

Input Set : A:\Seqlist.txt
Output Set: N:\CRF3\07202000\I548409.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application No
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date